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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/658,900	09/10/2003	Kreg A. Martin	2120-02800	5161
23505 7590 08/06/2007 CONLEY ROSE, P.C. David A. Rose P. O. BOX 3267 HOUSTON, TX 77253-3267			EXAMINER	
			LUU, LE HIEN	
			ART UNIT	PAPER NUMBER
110001011, 11	11 17233 3207		2141	
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			MAIL DATE	DELIVERY MODE
			08/06/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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	Application No.	Applicant(s)					
	10/658,900	MARTIN ET AL.					
Office Action Summary	Examiner	Art Unit					
	Le H. Luu	2141					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM							
THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1) Responsive to communication(s) filed on 09/10/03 - 03/03/04.							
3) Since this application is in condition for allow	, <del></del>						
closed in accordance with the practice unde	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4)⊠ Claim(s) 1-43 is/are pending in the applicati	☑ Claim(s) <u>1-43</u> is/are pending in the application.						
4a) Of the above claim(s) is/are without	4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.	Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-5,8-20 and 22-43</u> is/are rejected							
7) Claim(s) 6-7 and 21 is/are objected to.	☑ Claim(s) <u>6-7 and 21</u> is/are objected to.						
8) Claim(s) are subject to restriction and	d/or election requirement.						
Application Papers							
9) The specification is objected to by the Examiner.							
10)⊠ The drawing(s) filed on is/are: a)⊠ accepted or b)☐ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No.</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage</li> </ul>							
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
Attachment(s)							
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> </ol>	4) Interview Summary Paper No(s)/Mail D						
<ol> <li>Information Disclosure Statement(s) (PTO-1449 or PTO/SB/Paper No(s)/Mail Date</li> </ol>	. 🗖	Patent Application (PTO-152)					

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1. Claims 1-43 are presented for examination.

2. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102

that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-5, 8-20, and 22-43 are rejected under 35 U.S.C. § 102(b) as being clearly anticipated by Thornton et al. (Thornton) Pub. No. 2002/0101860.

5. As to claim 1, Thornton teaches the invention as claimed, including a switch that

a plurality of front-end circuits that interface to ports through which frames are

transmitted and received (Fig. 2; page 6, paragraphs [0079 – 0081]);

a plurality of back-end circuits that store equal-sized frame portions in stripes (page 8, paragraph [0090]); and

internal links from each of the front-end circuits to each of the back-end circuits (Fig. 2),

wherein the internal links have dynamically assigned time slots that are

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staggered in time between internal links from a given front-end circuit (page 8,

paragraph [0091]).

6. As to claims 2-5, Thornton teaches data that traverses the internal links from a

front-end circuit to a back-end circuit comprises a read address; a write address; write

data; and read data (pages 7-8, paragraphs [0086, 0093]).

7. As to claims 8-14, Thornton teaches a frame may be transferred from one of the

plurality of back-end circuits on an unused time slot not ordinarily assigned to the frame;

wherein an unused time slot is utilized by a frame waiting in a transfer queue; a time slot

is reassigned to fulfill a higher priority transfer; wherein each of the plurality of back-end

circuits is logically divided into multiple back-end circuits; wherein data is stored on the

multiple back-end circuits in a redundant fashion; wherein the time slots transfer data

types selected from the group consisting of read addresses, write addresses, frame

data, and a combination thereof; wherein the data types are transferred on an internal

link in a defined pattern (page 7, paragraphs [0084 - 0088]; page 16, paragraph [0161]).

8. Claims 15-20 and 22-43 have similar limitations as claims 1-5 and 8-14;

therefore, they are rejected under the same rationale.

9. Claim 6-7 and 21 are objected to as being dependent upon a rejected base

claim, but would be allowable if rewritten in independent form including all of the

limitations of the base claim and any intervening claims.

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10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Le H. Luu whose telephone number is 571-272-3884.

The examiner can normally be reached on 7:00am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rupal Dharia can be reached on 571-272-3880. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LEHIEN LUU PRIMARY EXAMINER